

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

Docket No. P2930R1C1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) ☐ is attached hereto or ☒ was filed on May 25, 2002 as Application Serial No. 09/866,034 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

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Prior Foreign Application(s):

Priority Claimed
Yes No

Number	Country	Day/Month/Year Filed
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See Attached Appendix A (listing 13 U.S. Provisional Patent Applications)

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See Attached Appendix B (listing 10 PCT Patent Applications)

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Date

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APPENDIX A

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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Attn: Mark T. Kresnak, Ph.D.

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APPENDIX A

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Serial No. PCT/US00/03565 filed February 11, 2000;

Serial No. PCT/US00/04414 filed February 22, 2000;

Serial No. PCT/US00/05841 filed March 2, 2000;

Serial No. PCT/US00/08439 filed March 30, 2000;

Serial No. PCT/US00/14941 filed May 30, 2000;

Serial No. PCT/US00/15264 filed June 2, 2000;

Serial No. PCT/US00/32678 filed December 1, 2000.

Material	Temperature	Strain Rate	Stress	Strain	Modulus	Poisson's Ratio	Yield Strength	Tensile Strength	Elongation	Reduction of Area	Impact Energy	Hardness
Aluminum	70°F	0.001 in/in	10,000 psi	0.002 in/in	10,000 psi	0.33	10,000 psi	15,000 psi	10%	50%	10 ft-lb	100 HR
Steel	70°F	0.001 in/in	30,000 psi	0.002 in/in	30,000 psi	0.25	30,000 psi	45,000 psi	5%	20%	5 ft-lb	200 HR
Copper	70°F	0.001 in/in	20,000 psi	0.002 in/in	20,000 psi	0.33	20,000 psi	30,000 psi	15%	40%	15 ft-lb	150 HR
Brass	70°F	0.001 in/in	15,000 psi	0.002 in/in	15,000 psi	0.33	15,000 psi	25,000 psi	20%	35%	10 ft-lb	120 HR
Lead	70°F	0.001 in/in	5,000 psi	0.002 in/in	5,000 psi	0.33	5,000 psi	10,000 psi	50%	10%	5 ft-lb	50 HR

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

Docket No. P2930R1C1

As a below named inventor, I hereby declare that:

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Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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Author	Year	Country	Sample Size	Age Range	Gender	Study Type	Findings
Wang et al.	2008	China	1,000	18-25	Male	Experimental	High levels of stress and anxiety
Li et al.	2009	China	2,000	18-30	Female	Survey	Increased levels of depression
Zhang et al.	2010	China	1,500	18-25	Male	Experimental	High levels of stress and anxiety
Wang et al.	2011	China	2,500	18-30	Female	Survey	Increased levels of depression
Li et al.	2012	China	1,800	18-25	Male	Experimental	High levels of stress and anxiety
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Wang et al.	2017	China	2,100	18-30	Female	Survey	Increased levels of depression
Li et al.	2018	China	1,700	18-25	Male	Experimental	High levels of stress and anxiety
Zhang et al.	2019	China	2,300	18-30	Female	Survey	Increased levels of depression
Wang et al.	2020	China	1,800	18-25	Male	Experimental	High levels of stress and anxiety
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SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

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Attn: Mark T. Kresnak, Ph.D.

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I hereby declare that all statements made herein of my own knowledge and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

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APPENDIX A

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications listed below:

Serial No. 60/095,325 filed August 4, 1998;
Serial No. 60/112,851 filed December 16, 1998;
Serial No. 60/113,145 filed December 16, 1998;
Serial No. 60/113,511 filed December 22, 1998;
Serial No. 60/115,558 filed January 12, 1999;
Serial No. 60/115,565 filed January 12, 1999;
Serial No. 60/115,733 filed January 12, 1999;
Serial No. 60/119,341 filed February 9, 1999;
Serial No. 60/119,537 filed February 10, 1999;
Serial No. 60/119,965 filed February 12, 1999;
Serial No. 60/162,506 filed October 29, 1999;
Serial No. 60/170,262 filed December 9, 1999;
Serial No. 60/187,202 filed March 3, 2000.

Serial No. PCT/US99/12252 filed June 2, 1999;
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Serial No. PCT/US00/05841 filed March 2, 2000;
Serial No. PCT/US00/08439 filed March 30, 2000;
Serial No. PCT/US00/14941 filed May 30, 2000;
Serial No. PCT/US00/15264 filed June 2, 2000;
Serial No. PCT/US00/32678 filed December 1, 2000.

[illegible]

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

Docket No. P2930R1C1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) ☐ is attached hereto or ☒ was filed on May 25, 2002 as Application Serial No. 09/866,034 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

Yes No

Number	Country	Day/Month/Year Filed
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I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:

See Attached Appendix A (listing 13 U.S. Provisional Patent Applications)

Application Ser. No.	Filing Date
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

See Attached Appendix B (listing 10 PCT Patent Applications)

Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
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Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
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POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

PATENT TRADEMARK OFFICE

Send correspondence to Genentech, Inc.

Attn: Mark T. Kresnak, Ph.D.

Telephone: (650) 225-4461

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Serial No. 60/187,202 filed March 3, 2000.

APPENDIX B

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and PCT applications listed below:

Serial No. PCT/US99/12252 filed June 2, 1999;
Serial No. PCT/US99/28634 filed December 1, 1999;
Serial No. PCT/US99/28551 filed December 2, 1999;
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**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

Docket No. P2930R1C1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) ☐ is attached hereto or ☒ was filed on May 25, 2002 as Application Serial No. 09/866,034 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed
Yes No

Number	Country	Day/Month/Year Filed
I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:		
See Attached Appendix A (listing 13 U.S. Provisional Patent Applications)		
Application Ser. No.	Filing Date	
I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:		
See Attached Appendix B (listing 10 PCT Patent Applications)		
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

PATENT TRADEMARK OFFICE

Send correspondence to Genentech, Inc.

Attn: Mark T. Kresnak, Ph.D.

Telephone: (650) 225-4461

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Full name of sole or first inventor

David Botstein

Inventor's signature

Date

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Full name of second joint inventor, if any

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Full name of seventh joint inventor, if any

Austin L. Gurney

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Full name of eighth joint inventor, if any

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Inventor's signature

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Full name of ninth joint inventor, if any

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Inventor's signature

Date

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Full name of tenth joint inventor, if any

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Full name of eleventh joint inventor, if any

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Full name of twelfth joint inventor, if any

Colin K. Watanabe

Inventor's signature

Colin K Watanabe

Date

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Full name of thirteenth joint inventor, if any

William I. Wood

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Date

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Citizenship

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APPENDIX A

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications listed below:

Serial No. 60/095,325 filed August 4, 1998;
Serial No. 60/112,851 filed December 16, 1998;
Serial No. 60/113,145 filed December 16, 1998;
Serial No. 60/113,511 filed December 22, 1998;
Serial No. 60/115,558 filed January 12, 1999;
Serial No. 60/115,565 filed January 12, 1999;
Serial No. 60/115,733 filed January 12, 1999;
Serial No. 60/119,341 filed February 9, 1999;
Serial No. 60/119,537 filed February 10, 1999;
Serial No. 60/119,965 filed February 12, 1999;
Serial No. 60/162,506 filed October 29, 1999;
Serial No. 60/170,262 filed December 9, 1999;
Serial No. 60/187,202 filed March 3, 2000.

APPENDIX B

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and PCT applications listed below:

Serial No. PCT/US99/12252 filed June 2, 1999;

Serial No. PCT/US99/28634 filed December 1, 1999;

Serial No. PCT/US99/28551 filed December 2, 1999;

Serial No. PCT/US00/03565 filed February 11, 2000;

Serial No. PCT/US00/04414 filed February 22, 2000;

Serial No. PCT/US00/05841 filed March 2, 2000;

Serial No. PCT/US00/08439 filed March 30, 2000;

Serial No. PCT/US00/14941 filed May 30, 2000;

Serial No. PCT/US00/15264 filed June 2, 2000;

Serial No. PCT/US00/32678 filed December 1, 2000.

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**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

Docket No. P2930R1C1

As a below named inventor, I hereby declare that:

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SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) ☐ is attached hereto or ☒ was filed on May 25, 2002 as Application Serial No. 09/866,034 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

Yes No

Number	Country	Day/Month/Year Filed
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I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:

See Attached Appendix A (listing 13 U.S. Provisional Patent Applications)

Application Ser. No.	Filing Date
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

See Attached Appendix B (listing 10 PCT Patent Applications)

Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
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Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
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POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

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Send correspondence to Genentech, Inc.

Attn: Mark T. Kresnak, Ph.D.

Telephone: (650) 225-4461

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

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APPENDIX A

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications listed below:

Serial No. 60/095,325 filed August 4, 1998;
Serial No. 60/112,851 filed December 16, 1998;
Serial No. 60/113,145 filed December 16, 1998;
Serial No. 60/113,511 filed December 22, 1998;
Serial No. 60/115,558 filed January 12, 1999;
Serial No. 60/115,565 filed January 12, 1999;
Serial No. 60/115,733 filed January 12, 1999;
Serial No. 60/119,341 filed February 9, 1999;
Serial No. 60/119,537 filed February 10, 1999;
Serial No. 60/119,965 filed February 12, 1999;
Serial No. 60/162,506 filed October 29, 1999;
Serial No. 60/170,262 filed December 9, 1999;
Serial No. 60/187,202 filed March 3, 2000.

APPENDIX B

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and PCT applications listed below:

Serial No. PCT/US99/12252 filed June 2, 1999;

Serial No. PCT/US99/28634 filed December 1, 1999;

Serial No. PCT/US99/28551 filed December 2, 1999;

Serial No. PCT/US00/03565 filed February 11, 2000;

Serial No. PCT/US00/04414 filed February 22, 2000;

Serial No. PCT/US00/05841 filed March 2, 2000;

Serial No. PCT/US00/08439 filed March 30, 2000;

Serial No. PCT/US00/14941 filed May 30, 2000;

Serial No. PCT/US00/15264 filed June 2, 2000;

Serial No. PCT/US00/32678 filed December 1, 2000.

Run	Time	Temp	Pressure	Flow	Conc	Yield	Quality
1	10	100	100	10	10	10	10
2	20	200	200	20	20	20	20
3	30	300	300	30	30	30	30
4	40	400	400	40	40	40	40
5	50	500	500	50	50	50	50
6	60	600	600	60	60	60	60
7	70	700	700	70	70	70	70
8	80	800	800	80	80	80	80
9	90	900	900	90	90	90	90
10	100	1000	1000	100	100	100	100